FEDERAL ITEM IDENTIFICATION GUIDE

MISCELLANEOUS TRANSMISSION COMPONENTS

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
CIRCULATOR, RADIO FREQUENCY	31842	JB

A waveguide, stripline, or coaxial component having three or more ports (terminals), so arranged that energy entering one port is transmitted to the next adjacent port in a particular direction while decoupling the energy from all other ports. Excludes SWITCH, RADIO FREQUENCY TRANSMISSION LINE and SWITCH, WAVEGUIDE.

COUNTERPOISE, ANTENNA	00125	CA

A conductor or system of conductors, fabricated or arranged in a specific pattern, to simulate the properties of an electrical ground.

HORN, WAVEGUIDE	00190	KA

A hollow conductor of varying cross-sectional area specifically designed to achieve directional characteristics in radio frequency radiating and receiving systems.

IRDOME	46033	BA

An item which encloses an infrared detector. It is specifically designed to permit maximum passage of infrared radiation through it while providing protection to the detector from the weather. The item may also enclose the detector support and rotating mechanism. It may be shaped. May also include pressurizing mechanism and anti-icing equipment.

ISOLATOR, RADIO FREQUENCY REFLECTION	20347	JA

A device which allows radio frequency energy to pass in one direction with very little power loss, but blocks the flow of energy in the other direction by means of multiple WAVE-polarization or an integral dissipative load. It isolates frequency sensitive circuitry from the effects of reflected radio frequency energy resulting from component mismatch. It usually has one or more ports terminated with coaxial connector(s) and/or waveguide flange(s); or other electrical terminations. Isolators designed for internal use in waveguide runs may consist of rods, rings, chips, strips and the like and have no ports of terminations. See also DIPLEXER; DUPLEXER. Excludes CIRCULATOR, RADIO FREQUENCY.

Approved Item Name	INC	App Key
LINE, RADIO FREQUENCY TRANSMISSION	00884	EA

An item designed primarily for the conduction of radio frequency energy, and consisting of two or more conductors supported in fixed spatial relationship(s) along their own length. Since the characteristic impedance of the line is determined by the spatial relationships of the conductors, which are sufficiently rigid to maintain these relationship between supports, the configuration of the item is usually not susceptible to mechanical manipulation; that is, it is not normally flexible. Includes a single conductor inclosed in an outer concentric conductor (coaxial) or two or more conductors laid parallel. All types have low loss or special characteristics at high frequencies. May include fittings or terminations. For items having continuous homogeneous dielectric, see CABLE, RADIO FREQUENCY. See also LINE SECTION, RADIO FREQUENCY TRANSMISSION.

LINE SECTION, RADIO FREQUENCY TRANSMISSION	01792	AB

A fabricated or processed item which forms a portion of a transmission line or which when added to complementary items will form a transmission line or a portion thereof. Do not use if a more specific item name now exists in the index. See also TUNER, TRANSMISSION LINE and LINE, RADIO FREQUENCY TRANSMISSION.

MAST ASSEMBLY, EXTERNAL SENSORS	67608	DA

An item having a single mounting base, used to support items, such as, external sensors, aspirators, hygrothermometers, associated hardware, and the like.

MAST, NAVIGATION, MARINE	45657	DA

An item of columnar shape having a single footing or mounting base. It may be provided with fittings, and rollers, collars, lights and wiring, and is designed to illustrate a ships function (navigation, towing, anchoring).

MAST, SAIL	39883	DA

An item of columnar shape having a single footing or a mounting base. It may provide accessories such as fittings, rollers and collars and is designed for mounting and guiding a sail.

MAST SECTION	00189	DA

An item that is specially designed and fabricated to be readily assembled together with other sections to form a MAST.

MAST, STATIC TUBE	61825	DA

The portion of a STATIC TUBE which is designed to provide facilities for mounting a static tube vane assembly and mate with a BASE, STATIC TUBE.

Approved Item Name	INC	App Key
MAST, TRAILER MOUNTED	16134	DA

An item essentially of columnar shape or open frame structure, having a single footing or mounting base, used to support another item. It is mounted in, and includes a trailer. May include equipment for hoisting or raising of mast, and accessories such as guys, insulators and collars. See also MAST.

MIXER, CRYSTAL, COAXIAL	22970	FA

An item consisting of coaxial line and associated connectors having two frequency inputs, a crystal (any semiconductor device that provided rectification) and an output connection. It is employed to mix two frequencies, with the resultant output frequency being a composite of the two inputs. For items utilizing electron tube(s) and/or WAVE-GUIDE ASSEMBLY, see MIXER STAGE, FREQUENCY and MIXER, CRYSTAL, WAVEGUIDE.

MIXER, CRYSTAL, WAVEGUIDE	22971	FA

An item consisting of a WAVEGUIDE ASSEMBLY having two frequency inputs, a crystal (any semiconductor device that provides rectification) and an output connection. It is employed to mix two frequencies, with the resultant output frequency being a composite of the two inputs. For items which also utilize electron tube(s) see MIXER, STAGE, FREQUENCY. See also MIXER, CRYSTAL, COAXIAL.

PANEL, RADOME	50157	BA

A preformed item composed of materials that facilitate the passage of radio frequency energy, which forms a portion of a RADOME. It may contain facilities for mounting and have attachment points for pressurization and de-icing equipment.

PEDESTAL ASSEMBLY, EXTERNAL SENSORS	67607	DA

An item specifically designed to support a MAST ASSEMBLY, EXTERNAL SENSOR.

PORTAL, RADIO FREQUENCY IDENTIFICATION	68121	JA

A fixed or mobile/transportable antenna (s) and support structure used to provide pallet size or larger load pass thru for the purpose of reading Radio Frequency Identification Tags without breaking down into individual packages. The unit may also be used as a personnel control point, when used with Radio Frequency Identification Enabled Cards.

PROBE, MAGNETIC FIELD, INTERFERENCE MEASURING	20969	AA

An item which is specifically designed for use as a search probe in conducting radio interference measurements by determining the existence and extent of an interfering magnetic field.

PROBE, MINE	13153	AA

Approved Item Name	INC	App Key
PROBE, WAVEGUIDE	00341	AA

An item terminating a coaxial line whose center conductor is designed to extend beyond the inner surface of a waveguide or resonant cavity. The purpose of the item is to radiate or absorb radio frequency energy. May include connector(s) retainer(s) and/or protective accessory(ies). See also BOLOMETER, RADIO FREQUENCY.

RADOME	16132	BA

An item which incloses an antenna. It is specially designed to permit maximum passage of radio frequency energy through it, while providing protection to the antenna from weather. The item may also inclose the antenna-support, and rotating mechanism. It may be flexible or rigid, streamlined or irregular shaped. May also include pressurizing mechanism and anti-icing or de-icing equipment. See also COVER, ANTENNA ELEMENT.

SEAL, RADIO FREQUENCY TRANSMISSION LINE	02091	HA

An item designed to provide termination for a gas filled radio frequency transmission line.

SHUTTER, WAVEGUIDE	02035	GA

A waveguide section which contains a switching device to permit the interruption or diversion of the radio frequency energy by means of a mechanical barrier.

APPLICABILITY KEY INDEX

	AA	AB
NAME	X	X
ACZB	X	X
ACYW	X	X
ABHP	AR	AR
ABFY	AR	AR
ABMK	AR	AR
ADAV	AR	AR
ABKW	AR	AR
APYE	X	
MATL		X
AAFZ	X	
ABEM	X	
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AFJK	AR	AR
AGAV	AR	AR
ALCD	AR	AR
SECL	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR
TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
HZRD	AR	AR
CXCY	AR	AR

	BA
NAME	X
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ABFY	AR
APYF	X
APYG	AR
MATL	X
APYJ	X
AJDP	X
APYK	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AGAV	AR
ALCD	AR
SECL	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
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HZRD	AR
CXCY	AR

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APYL	X
APYM	X
APYN	AR
AJDA	AR
APYP	X
APYQ	X
APYR	X
APYS	AR
APYT	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AGAV	AR
ALCD	AR
SECL	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
HZRD	AR
CXCY	AR

	DA
NAME	X
AAJG	X
AAPN	AR
MATL	X
SURF	X
APYW	AR
APYX	AR
AGEU	AR
ACUU	AR
APYY	AR
APYZ	AR
AJQL	AR
ATBE	AR
ADJH	AR
MARK	AR
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AGAV	AR
ALCD	AR
SECL	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
HZRD	AR
CXCY	AR

	EA
NAME	X
AQCE	X
AMQN	X
ACVL	X
APYQ	X
AQRW	AR
AQRX	AR
AQRY	AR
AQRZ	AR
AJDD	AR
APZA	AR
AJDB	AR
APZB	AR
APZC	X
ABHE	AR
MATL	AR
SURF	AR
APZD	AR
AQAZ	AR
AQBA	AR
AAJU	X
AQBB	AR
AJDF	AR
AQBD	X
AQBE	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AGAV	AR
ALCD	AR
SECL	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR

ZZZV	AR
HZRD	AR
CXCY	AR

	FA
NAME	X
AFGQ	X
AQBF	AR
AQBG	X
AHTX	X
AQBJ	X
AQBK	X
AQBL	X
AQBM	X
ABHP	AR
ABMK	AR
ABKW	AR
AKWA	AR
AKWB	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
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SUPP	AR
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TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
HZRD	AR
CXCY	AR

	GA
NAME	X
APHE	X
ACDC	AR
ACYN	AR
ACZB	AR
FAAZ	AR
ACYR	AR
MATL	X
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ABFY	AR
ALGC	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
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AGAV	AR
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PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
HZRD	AR
CXCY	AR

	HA
NAME	X
APHM	X
AQBS	AR
AQBT	X
MATL	X
SURF	AR
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ABFY	AR
AQBX	X
CZFV#	AR
AQBY	AR
ADJH	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
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FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
HZRD	AR
CXCY	AR

	JA	JB
NAME	X	X
AFGQ	X	X
ABHP	AR	AR
ABMK	AR	AR
ADAV	AR	AR
ABKW	AR	AR
ABFY	AR	AR
AQCF		AR
AQBZ	AR	AR
AMSA	AR	AR
AMGN	AR	AR
AMSB	AR	AR
AHSF	AR	AR
AQCA	AR	AR
AHTM	AR	AR
AHTN	AR	AR
AQCB	AR	AR
AQCC	AR	AR
ABRY	AR	AR
ABGL	AR	AR
ABMZ	AR	AR
AJJZ	AR	AR
AJKA	AR	AR
AJKH	AR	AR
AQCD	AR	AR
AKWA	AR	AR
AKWB	AR	AR
ACYW		X
AJBB		AR
AHTX		AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
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PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
FCLS	AR	AR
FTLD	AR	AR

TMDN	AR	AR
RTSE	AR	AR
RDAL	AR	AR
NTRD	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR
HZRD	AR	AR
CXCY	AR	AR

	KA
NAME	X
AFGQ	AR
AQCE	AR
AQCF	X
MATL	X
AAJQ	AR
AAJP	AR
ABHP	AR
ABMK	AR
ADAV	AR
ABKW	AR
ABFY	AR
AQCG	AR
AQCH	AR
AQCJ	AR
AQCK	AR
AQCL	AR
AQCM	AR
AQCP	AR
AQCN	AR
AQCQ	AR
AQCR	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AGAV	AR
ALCD	AR
SECL	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
HZRD	AR
CXCY	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED01792*)

ALL

ACZB	J	FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJGA10.0*; ACZBJKB59.9$$JKC60.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ACZBKN*)

Table 1

REPLY CODE	REPLY (AC32)
G	GIGAHERTZ
E	HERTZ
K	KILOHERTZ
M	MEGAHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ACYW	J	IMPEDANCE RATING IN OHMS

APP Key	MRC	Mode Code	Requirements

Definition: THE TOTAL OPPOSITION (RESISTIVE AND REACTIVE) WHICH THE ITEM OFFERS TO THE FLOW OF AN ALTERNATING CURRENT, EXPRESSED IN OHMS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ACYWJA12.5*; ACYWJB50.0$$JC51.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ACYWKN*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

TTQY J TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION.

Reply Instructions: Enter the applicable Reply Code from Table 1 below, followed by the quantity of terminals, including the switch when applicable. For items with different type of terminals, record each variation in alphabetic Reply Code sequence. (e.g., TTQYJACC2$$JACD2)*

REPLY CODE	*REPLY (AC20)*
AKU	*ALLIGATOR CLIP*
AAB	*BANANA PLUG*
AAC	*BAYONET*
ABL	*BINDING POST*
AKF	*BUTTON*
AKV	*COAXIAL*
AML	*COAXIAL CABLE*
AJP	*COAXIAL CONNECTOR Connector (use REPLY CODE BP)*
ACN	*CONNECTOR, PLUG*
ADD	*CONNECTOR, RECEPTACLE*
AMZ	*CONTACT FINGER*
ANA	*CONTACT RING*
AAH	*FERRULE*
AAJ	*FLANGE*
AHL	*JACK*

AJL	*MALE COAXIAL CONNECTOR*
AAM	*PIN*
AHG	*PIN JACK*
AKN	*PROBE*
ABQ	*SCREW*
ACY	*SOCKET*
AFF	*SOLDER LUG*
AKQ	*SOLDER PIN*
AAS	*SOLDER STUD*
AEK	*SOLDERLESS LUG*
AAT	*STANDARD TUBE BASE*
AJA	*STUD*
ANB	*STUD W/INSULATION BOWLS*
ANC	*WAVEGUIDE FLANGE*
ACM	*WIRE HOOK*
ACC	*WIRE LEAD*

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.750$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AA

APYE D DETECTOR TYPE

Definition: INDICATES THE SPECIFIC TYPE OF DETECTOR INCLUDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 1. (e.g., APYEDA*; APYEDAQ$DAT*; APYEDAQ$$DBF*)

AB

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., MATLDBC0000*; MATLDBR0000$DST0000$$DSU0000*)

AA

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AAFZDALC000*; AAFZDBR0000$DST0000$$DCU0000*)

AA

ABEM D BODY SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A BODY SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., ABEMDAN0000*; ABEMDAG0000$DPD0000$$DRHA000*)

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED16132*)

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.750$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
A	INCHES
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements
ALL			
	APYF	D	RADOME FLEXIBILITY

Definition: FLEXIBLE, CAPABLE OF BEING BENT, TURNED, OR TWISTED WITHIN LIMITS, WITHOUT BREAKING; OR RIGID, RESISTING CHANGE OF FORM, INFLEXIBLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APYFDA*; APYFDA$DB*)

REPLY CODE	REPLY (AD03)
A	FLEXIBLE
B	RIGID

ALL*

	APYG	D	INFLATED RADOME SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE RADOME WHEN INFLATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., APYGDA*; APYGDCR$DRD*)

ALL

	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., MATLDALC000*; MATLDFG0000$DPC0000$$DME0000*)

ALL

	APYJ	D	PRESSURIZING DEVICE

Definition: AN INDICATION OF WHETHER OR NOT A PRESSURIZING DEVICE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APYJDB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AJDP D ANTI-ICING PROVISION

Definition: AN INDICATION OF WHETHER OR NOT AN ANTI-ICING PROVISION IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJDPDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

APYK D DE-ICING PROVISION

Definition: AN INDICATION OF WHETHER OR NOT A DE-ICING PROVISION IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APYKDC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00125*)

ALL			
	APYL	D	COUNTERPOISE TYPE

Definition: INDICATES THE TYPE OF COUNTERPOISE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APYLDAAB*; APYLDAAC$DAAD*)

REPLY CODE	REPLY (AK90)
AAB	MESH
AAC	METAL PLATE
AAD	MULTIPLE WIRE
AAE	RADIAL WIRE
AAF	SCREEN
AAG	SINGLE WIRE

NOTE FOR MRCS APYM, APYN, AND AJDA: FOR MULTIPLE REPLIES, USE AND CODING ($$), ENTERING IN THE SAME SEQUENCE AS MRC APYM. FOR ITEMS INDICATING A TOLERANCE, USE AND CODING ($$) FOR MRC AJDA.

ALL (See Note Above)			
	APYM	A	CONDUCTOR ELEMENT QUANTITY

Definition: THE NUMBER OF CONDUCTOR ELEMENTS.

Reply Instructions: Enter the quantity. For multiple replies, use AND ($$) coding.(e.g., APYMA6; APYMA1$$A2)*

ALL* (See Note Preceding MRC APYM)			
	APYN	A	AWG WIRE SIZE

APP Key	MRC	Mode Code	Requirements

Definition: THE AMERICAN WIRE GAGE SIZE OF WIRE THE FACILITY FOR ATTACHING A WIRE WILL ACCOMMODATE.

Reply Instructions: Enter the AWG size. For multiple replies, use AND ($$) coding. (e.g., APYNA14;APYNA14$$A19*)*

To convert the overall circular mils area for stranded cable to AWG size, see Appendix C, Table 1.

ALL* (See Note Preceding MRC APYM)

AJDA J ELEMENT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE ELEMENT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. For multiple replies, use AND ($$) coding.(e.g., AJDAJFA50.000; AJDAJMA12.2*; AJDAJFB40.000$$JFC42.000*; AJDAJFB50.000$$JFC52.000*)*

For items indicating feet and inches, see Appendix C, Table 2, for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

APYP D CONDUCTOR INSULATION MATERIAL

Definition: THE ELEMEMT, COMPOUND, OR MIXTURE OF WHICH THE CONDUCTOR INSULATION IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., APYPDRC0000*; APYPDSU0000$DSLB000$$DRC0000*)

APP Key	MRC	Mode Code	Requirements

ALL(See Note Preceding MRC AMQN)

APYQ D CONDUCTOR MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CONDUCTOR IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. For multiple replies, use AND ($$) coding. (e.g., APYQDCU0000; APYQDBR0000*; APYQDCU0000*; APYQDBR0000$$DCU0000* APYQDBR0000$$DCU0000*)*

ALL

APYR D CONDUCTOR CONSTRUCTION

Definition: THE CONSTRUCTION OF THE CONDUCTOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APYRDA*; APYRDA$DB*)

REPLY CODE	REPLY (AA45)
A	SOLID
B	STRANDED

ALL*

APYS J CONDUCTOR LENGTH

Definition: A MEASUREMENT OF THE LONGEST, DIMENSION OF A CONDUCTOR, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APYSJFA6.250*; APYSJMA1.8*; APYSJFB6.250$$JFC6.500*)

For items indicating feet and inches, see Appendix C, Table 2 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

Table 2

REPLY CODE	REPLY (AC20)

APP Key	MRC	Mode Code	Requirements
		A	NOMINAL
		B	MINIMUM
		C	MAXIMUM

ALL*

APYT J CONDUCTOR WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF A CONDUCTOR, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APYTJFA10.500*; APYTJMA1.8*; APYTJFB10.500$$JFC11.000*)

For items indicating feet and inches, see Appendix C, Table 2 for conversion.

Table 1

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00189*)

ALL			
	AAJG	D	CONSTRUCTION

Definition: THE FORMATION IDENTIFYING THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJGDN*; AAJGDF$DP*)

REPLY CODE	REPLY (AA39)
N	ONE-PIECE
F	SECTIONALIZED
P	TELESCOPIC

NOTE FOR MRC AAPN: IF REPLY CODE F IS ENTERED FOR MRC AAJG, REPLY TO MRC AAPN.

ALL* (See Note Above)			
	AAPN	A	SECTION QUANTITY

Definition: THE NUMBER OF INDIVIDUAL ELEMENTS.

Reply Instructions: Enter the quantity. (e.g., AAPNA2*)

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., MATLDALC000*; MATLDALC000$$DST0000$DME0000*)

ALL

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING, AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., SURFDCH0000*; SURFDAN0000$DGB0000$$DPNG000*)

ALL*

APYW J MAXIMUM HEIGHT

Definition: THE MAXIMUM MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE ITEM, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APYWJF10.167*; APYWJM1.8*)

For items indicating feet and inches, see Appendix C, Table 2, for conversion.

REPLY CODE	REPLY (AA05)
F	FEET
M	METERS

ALL*

APYX J NESTED HEIGHT

Definition: A MEASUREMENT FROM THE TOP TO THE BOTTOM OF AN ITEM WHEN NESTED, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APYXJA10.000*; APYXJL50.8*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

ALL*

AGEU J BASE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR BASE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AGEUJAA2.400*; AGEUJLA25.4*; AGEUJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ACUU J BASE WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE BASE, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACUUJAA2.500*; ACUUJLA25.4*; ACUUJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

APYY J BASE DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE BASE OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APYYJAA2.400*; APYYJLA25.4*; APYYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APYZ J TOP DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE TOP OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APYZJAA2.400*; APYZJLA25.4*; APYZJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

ALL*

AJQL J TOP DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR TOP, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AJQLJAA2.400*; AJQLJLA25.4*; AJQLJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ATBE J TOP WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE TOP, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ATBEJAA8.000*; ATBEJLA25.4*; ATBEJAB7.900$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL

APP Key	MRC	Mode Code	Requirements
		B	MINIMUM
		C	MAXIMUM
ALL*			
	ADJH	D	MOUNTING METHOD
	Definition: THE MEANS OF ATTACHING THE ITEM.		
	Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDAN*; ADJHDPB$DEC*; ADJHDDJ$$DNS*)		
ALL*			
	MARK	G	SPECIAL MARKINGS
	Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.		
	Reply Instructions: Enter the reply in clear text. Separate multiple replies with a comma. (e.g., MARKGSTAMPED L*; MARKGSTAMPED L, STAMPED R*)		
ALL*			
	AKYD	G	ACCESSORY COMPONENTS AND QUANTITY
	Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.		
	Reply Instructions: Enter the reply in clear text. Separate multiple replies with a comma. (e.g., AKYDGANCHOR GUY 8*; AKYDGANCHOR GUY 8, HATCHET LC1*)		

SECTION: E

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00884*)

ALL			
	AQCE	D	ACCOMMODATED CONDUCTOR TYPE

Definition: INDICATES THE TYPE OF CONDUCTOR THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQCEDAAD*; AQCEDAAD$DAAE*)

REPLY CODE	REPLY (AL01)
AAD	COAXIAL
AAE	PARALLEL

NOTE FOR MRCS AMQN, ACVL, APYQ, AND AQRW: FOR MULTIPLE REPLIES, USE AND CODING ($$), ENTERING IN THE SAME SEQUENCE AS MRC AMQN.

ALL (See Note Above)			
	AMQN	A	CONDUCTOR QUANTITY

Definition: THE NUMBER OF ELECTRICAL CONDUCTORS INCLUDED ON THE ITEM.

Reply Instructions: Enter the quantity. For multiple replies, use AND ($$) coding. (e.g., AMQNA1; AMQNA1$$A2*)*

ALL (See Note Preceding MRC AMQN)			
	ACVL	J	CONDUCTOR SIZE

Definition: THE WIRE GAGE DESIGNATION AND THE GAGE NUMBER USED TO DESCRIBE THE CONDUCTOR SIZE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the wire size. For multiple replies, use AND ($$) coding. (e.g., ACVLJB12; ACVLJB14$$JB16*)*

See Appendix C, Table 1, for determining wire sizes.

REPLY CODE	REPLY (AB96)
B	AWG
D	MCM
K	MILLIMETERS
J	SQUARE MILLIMETERS

ALL (See Note Preceding MRC AMQN)

APYQ D CONDUCTOR MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CONDUCTOR IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 3. (e.g., APYQDCU0000*;

*APYQDBR0000**

*APYQDCU0000**

*APYQDBR0000$$DCU0000**

ALL* (See Note Preceding MRC AMQN)

AQRW D CONDUCTOR SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE CONDUCTOR.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. For multiple replies, use AND ($$) coding. (e.g., AQRWDAGE000; AQRWDBP0000*; AQRWDCN0000*; AQRWDBP0000$$DCN0000*)*

ALL*

APP Key	MRC	Mode Code	Requirements
	AQRX	J	TUBING OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBING, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQRXJAA0.250*; AQRXJLA25.4*; AQRXJAB0.250$$JAC0.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AQRY	J	TUBING INSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TUBING, AND TERMINATES AT THE INSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQRYJAA0.250*; AQRYJLA25.4*; AQRYJAB0.250$$JAC0.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

AQRZ J CENTER TO CENTER DISTANCE BETWEEN CONDUCTORS

Definition: THE DISTANCE BETWEEN THE CENTERLINES OF THE CONDUCTORS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQRZJAA0.250*; AQRZJLA25.4*; AQRZJAB0.250$$JAC0.260*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AJDD B CHARACTERISTIC IMPEDANCE IN OHMS

Definition: THE REACTANCE-RESISTANCE COMPLEX VALUE WHICH MUST BE MATCHED BY THE TRANSMISSION LINE AND TERMINATION TO ACHIEVE LOWEST STANDING WAVE RATIO, EXPRESSED IN OHMS.

Reply Instructions: Enter the numeric value. (e.g., AJDDB52.0*)

ALL*

APZA J CAPACITANCE IN PICOFARADS PER UNIT LENGTH

Definition: THE ELECTRICAL CAPACITANCE MEASURED BETWEEN TWO SPECIFIED POINTS ON THE ITEM, EXPRESSED IN PICOFARADO PER UNIT LENGTH.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APZAJF12.0*)

REPLY CODE	REPLY (AB39)
E	PER FOOT
T	PER KILOMETER
F	PER METER

ALL*

AJDB J POWER RATING

Definition: THE AMOUNT OF ELECTRICAL ENERGY THAT CAN BE DISSIPATED.

Reply Instructions: Enter the applicable Reply Code from Tables 1 and 2 below, followed by the numeric value. (e.g., AJDBJLC500.0*)

Table 1

REPLY CODE	REPLY (AC33)
L	KILOWATTS
R	MEGAWATTS
W	WATTS

Table 2

REPLY CODE	REPLY (AF65)
D	AVERAGE (RMS)
C	PEAK

ALL*

APZB J OPERATING VOLTAGE RATING

Definition: THE VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., APZBJK100.0*)

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

APP Key	MRC	Mode Code	Requirements

ALL

APZC D OUTER CONDUCTOR

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM INCLUDES AN OUTER CONDUCTOR.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APZCDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

ABHE J OUTSIDE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF AN ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHEJAA1.625*; ABHEJLA25.4*; ABHEJAB1.625$$JAC1.635*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

MATL D MATERIAL

APP Key	MRC	Mode Code	Requirements
			Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT. Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 3. (e.g., MATLDALC000*; MATLDAL0000$DALC000$$DALF000*)
ALL*			
	SURF	D	SURFACE TREATMENT
			Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE. Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 4. (e.g., SURFDAN0000*; SURFDANA000$DANH000$$DLQH000*)
ALL*			
	APZD	D	INSULATION SPACER SHAPE
			Definition: THE PHYSICAL CONFIGURATION OF THE INSULATION SPACER. Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 7. (e.g., APZDDRD*; APZDDCR$DRD*)
ALL*			
	AQAZ	D	INSULATION SPACER MATERIAL
			Definition: THE ELEMENT, COMPOUND, OR MIXTURE FROM WHICH THE INSULATION SPACER IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT. Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 3. (e.g., AQAZDPC0000*; AQAZDPCAAE0$DPCCCX0$$DGSAE00*)
ALL*			
	AQBA	J	INSULATION SPACER OUTSIDE DIAMETER
			Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE INSULATION SPACER, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQBAJAA1.525*; AQBAJLA25.4*; AQBAJAB1.525$$JAC1.535*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AAJU J OVERALL LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJUJA8.000*; AAJUJM1.9*)

For items indicating feet and inches, see Appendix C, Table 2, for conversion.

REPLY CODE	REPLY (AA05)
C	CENTIMETERS
F	FEET
A	INCHES
M	METERS

ALL*

AQBB G TERMINATION CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERICAL ORGANIZATION CONTROLLING THE TERMINATION.

Reply Instructions: Enter the controller's name. (e.g., AQBBGCARMODY CORP*)

APP Key	MRC	Mode Code	Requirements

Separate multiple replies with a comma. (e.g., AQBBGCARMODY CORP, GENERAL ELECTRIC*)

ALL*

AJDF A TERMINATION IDENTIFICATION

Definition: THE SPECIFICATION, STANDARD, OR THE NUMBER OR SYMBOL OF THE MANUFACTURER USED TO IDENTIFY THE TERMINATION.

Reply Instructions: Enter the identifying number.

(e.g., AJDFAW226036-1*)

For multiple replies, use AND coding ($$), entering in the same sequence as MRC AQBB. (e.g., AJDFAPART NO. 20$$ARS225)*

ALL

AQBD D TERMINAL FITTING

Definition: AN INDICATION OF WHETHER OR NOT A TERMINAL FITTING(S) IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQBDDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AQBE: IF REPLY CODE C IS ENTERED FOR MRC AQBD, REPLY TO MRC AQBE.

ALL* (See Note Above)

AQBE G END PROCESSING METHOD

Definition: THE MEANS USED TO PROCESS THE ENDS.

Reply Instructions: Enter the reply in clear text. (e.g., AQBEGINNER CONDUCTOR BARED,ENDS ROUNDED,OUTER CONDUCTOR THD AT EACH END*)

SECTION: F

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED22970*)

ALL			
	AFGQ	J	FREQUENCY RANGE RATING

Definition: THE RANGE OF THE COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated with a slash. Precede each positive value with a P. (e.g., AFGQJMP0.5/P500.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AFGQJN*)

REPLY CODE	REPLY (AC32)
G	GIGA HERTZ
E	HERTZ
K	KILOHERTZ
M	MEGA HERTZ

ALL*			
	AQBF	G	CRYSTAL DESIGNATOR

Definition: A DESIGNATION BY WHICH THE CRYSTAL IS COMMERICIALLY KNOWN AND/OR IDENTIFIED.

Reply Instructions: Enter the reply in clear text. (e.g., AQBFGMA4100*)

ALL			
	AQBG	B	CRYSTAL NOMINAL CURRENT RATING IN MILLIAMPERES

APP Key	MRC	Mode Code	Requirements

Definition: THE AVERAGE CURRENT RATING FOR WHICH THE CRYSTAL IS RATED, EXPRESSED IN MILLIAMPERS.

Reply Instructions: Enter the numeric value. (e.g., AQBGB0.5*)

ALL

AHTX B INSERTION LOSS IN DECIBELS

Definition: THE DIFFERENCE IN THE AMOUNT OF ENERGY AVAILABLE BEFORE AND AFTER THE INSERTION OF AN APPARATUS IN A TRANSMISSION SYSTEM, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the numeric value. (e.g., AHTXB6.0*)

ALL

AQBJ G SIGNAL INPUT TERMINAL DESIGNATOR

Definition: A DESIGNATION ASSIGNED TO THE SIGNAL INPUT TERMINAL FOR THE PURPOSE OF IDENTIFICATION.

Reply Instructions: Enter the designator. (e.g., AQBJGWR112*)

ALL

AQBK G LOCAL OSCILLATOR INPUT TERMINAL DESIGNATOR

Definition: A DESIGNATION ASSIGNED TO THE LOCAL OSCILLATOR INPUT TERMINAL FOR THE PURPOSE OF IDENTIFICATION.

Reply Instructions: Enter the designator.

(e.g., AQBKGAMPHENOL SERIES 27-9*)

ALL

AQBL G SIGNAL OUTPUT TERMINAL DESIGNATOR

Definition: A DESIGNATION ASSIGNED TO THE SIGNAL OUTPUT TERMINAL FOR THE PURPOSE OF IDENTIFICATION.

Reply Instructions: Enter the designator.

(e.g., AQBLGUG-135/U*)

APP Key	MRC	Mode Code	Requirements

ALL

AQBM D LOCAL OSCILLATOR INPUT ADJUSTABILITY

Definition: AN INDICATION OF WHETHER OR NOT THE LOCAL OSCILLATOR INPUT IS ADJUSTABLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQBMDA*; AQBMDA$DC*)

REPLY CODE	REPLY (AB00)
A	ADJUSTABLE
C	NONADJUSTABLE (fixed)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.900$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

APP Key	MRC	Mode Code	Requirements
			Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM. Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)
ALL*			
	AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER
			Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM. Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIP1A*)

SECTION: G

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED02035*)

ALL			
	APHE	D	OPERATION METHOD

Definition: THE MEANS USED TO OPERATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APHEDCS*; APHEDCT$DCS*)

REPLY CODE	REPLY (AC58)
CS	ELECTRICAL
AAF	MANUAL
CT	MECHANICAL

ALL*			
	ACDC	D	CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*			
	ACYN	J	AC VOLTAGE RATING

APP Key	MRC	Mode Code	Requirements

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0*; ACYNJVB105.0$$JVC125.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB50.0$$JEC60.0*)

Table 1

REPLY CODE	REPLY (AC32)
E	HERTZ
K	KILOHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

FAAZ D PHASE

APP Key	MRC	Mode Code	Requirements

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA$DB*; FAAZDA$$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL*

ACYR	J	DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0*; ACYRJVB24.0$$JVC26.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., MATLDAL0000*; MATLDAL0000$DST0000$$DFG0000*)

ALL*

APP Key	MRC	Mode Code	Requirements
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.900$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ALGC	G	MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text.

(e.g., ALGCGTWO MTG HOLES 1/4-20 TAP ON 5 IN. MTG CENTERS*)

SECTION: H

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED02091*)

ALL			
	APHM	J	TRANSMISSION LINE CHARACTERISTIC IMPEDANCE

Definition: THE REACTANCE-RESISTANCE COMPLEX VALUE WHICH MUST BE MATCHED BY THE TRANSMISSION LINE TO ACHIEVE LOWEST STANDING WAVE RATIO.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., APHMJQA52.0*; APHMJQB52.0$$JQC53.0*)

Also called surge impedance.

Table 1

REPLY CODE	REPLY (AA57)
M	MEGOHMS
Q	OHMS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	AQBS	D	EXTERNAL CONNECTOR TYPE

Definition: INDICATES THE TYPE OF EXTERNAL CONNECTOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQBSDAAF*; AQBSDAAC$$DAAG*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AK93)
AAB	BULLET
AAC	CLAMP
AAD	FLANGE
AAE	JACK
AAF	PLUG
AAG	RF PLUG
ADE	SOLDER LUG
AAH	SOLDERED
AAJ	STUD

ALL

AQBT D INTERNAL CONDUCTOR CONNECTOR TYPE

Definition: INDICATES THE TYPE OF INTERNAL CONDUCTOR CONNECTOR PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQBTDAAK*; AQBTDAAE$$DAAL*)

REPLY CODE	REPLY (AK93)
AAK	COAXIAL CONTACT
AAE	JACK
AAL	PIN CONTACT
AAM	PLUG CONTACT
AAN	SOLDER CONTACT
AAH	SOLDERED
AAP	SPRING CONTACT

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 3. (e.g., MATLDAL0000*; MATLDAL0000$DBR0000$$DCJ0000*)

ALL*

SURF D SURFACE TREATMENT

APP Key	MRC	Mode Code	Requirements

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., SURFDDC0000*; SURFDENF000$DENH000$$DLQH000*)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.900$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

AQBX B MAXIMUM GAS PRESSURE IN PSI

Definition: THE MAXIMUM GAS PRESSURE THE ITEM IS DESIGNED TO ACCOMMODATE, EXPRESSED IN POUNDS PER SQUARE INCH.

Reply Instructions: Enter the numeric value. (e.g., AQBXB10.0*)

ALL*

CZFV # B MAXIMUM GAS PRESSURE IN HECTOPASCALS

APP Key	MRC	Mode Code	Requirements

Definition: THE MAXIMUM GAS PRESSURE THE ITEM IS DESIGNED TO ACCOMMODATE, EXPRESSED IN HECTOPASCALS.

Reply Instructions: Enter the numeric value. (e.g., CZFVB10,0)

ALL*

AQBY J TRANSMISSION LINE OPENING DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE TRANSMISSION LINE OPENING, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQBYJAA0.750*; AQBYJLA25.4*; AQBYJAB0.700$$JAC0.725*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADJHDAN*; ADJHDAF$DHP*; ADJHDAF$$DGY*)

SECTION: J

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED20347*)

ALL			
	AFGQ	J	FREQUENCY RANGE RATING

Definition: THE RANGE OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede each positive value with a P. (e.g., AFGQJMP10.0/P20.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AFGQKN*)

REPLY CODE	REPLY (AC32)
G	GIGA HERTZ
E	HERTZ
K	KILOHERTZ
M	MEGA HERTZ

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.900$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES

APP Key	MRC	Mode Code	Requirements
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

JB*

AQCF D CONNECTION METHOD

Definition: THE MEANS USED TO CONNECT THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., AQCFDABA*; AQCFDABF$DABG*; AQCFDAAX$$DABF*)

NOTE FOR MRCS AQBZ, AMSA, AMGN, AND AMSB: FOR NONIDENTICAL CONNECTORS, USE AND CODING ($$) FOR MRCS AQBZ AND AMSB, ENTERING IN THE SAME SEQUENCE AS MRC AQBZ. SEPARATE MULTIPLE REPLIES WITH A COMMA FOR MRCS AMSA AND AMGN, ENTERING IN THE SAME SEQUENCE AS MRC AQBZ.

ALL (See Note Above)*

AQBZ A CONNECTOR QUANTITY

Definition: THE NUMBER OF CONNECTORS PROVIDED.

Reply Instructions: Enter the quantity. For multiple replies, use AND coding ($$) (e.g., AQBZA3; AQBZA1$$A2*)*

ALL* (See Note Preceding MRC AQBZ)

AMSA G CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ITEM.

Reply Instructions: Enter the controller's name. (e.g., AMSAGRATHEON CO.*; AMSAGMNISPECTRA CORP, RATHEON CO.*)

ALL* (See Note Preceding MRC AQBZ)

AMGN G TRADE DESIGNATION

Definition: THE DESIGNATION BY WHICH THE ITEM IS IDENTIFIED THROUGHOUT INDUSTRY.

Reply Instructions: Enter the designation. (e.g., AMGNGCONNECTOR, PLUG,ELECTRICAL*; AMGNGADAPTER,FLANGE*)

ALL* (See Note Preceding MRC AQBZ)

AMSB J IDENTIFYING NUMBER

Definition: AN IDENTIFYING NUMBER ASSIGNED BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying number. (e.g., AMSBJAD79300; AMSBJAF3MM$$jAD301755*)*

REPLY CODE	REPLY (AG99)
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AF	TYPE NO.

NOTE FOR MRCS AHSF, AQCA, AHTM, AHTN, AND AQCB: FOR NONIDENTICAL FLANGES, USE AND CODING ($$) FOR MRCS AHSF, AQCA, AHTM, AND AQCB, ENTERING IN THE SAME SEQUENCE AS MRC AHSF. FOR ITEMS INDICATING A TOLERANCE, USE AND CODING ($$) FOR MRC AHTN.

ALL* (See Note Above)

AHSF A FLANGE QUANTITY

Definition: THE NUMBER OF FLANGES PROVIDED WITH THE ITEM.

Reply Instructions: Enter the quantity. For multiple replies, use AND ($$) coding. (e.g., AHSFA2; AHSFA1$$A2*)*

ALL* (See Note Preceding MRC AHSF)

AQCA D FLANGE TYPE

Definition: INDICATES THE TYPE OF FLANGE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. For multiple replies, use AND coding ($$). (e.g., AQCADAB; AQCADAB$$DAD*)*

REPLY CODE	REPLY (AG92)

AB	CHOKE
AC	CONTACT
AD	COVER
AH	SLEEVE

ALL* (See Note Preceding MRC AHSF)

AHTM A FLANGE CONNECTION FACILITY QUANTITY

Definition: THE NUMBER OF HOLES, STUDS, SCREWS, OR OTHER DEVICES INTEGRAL TO THE FLANGE PROVIDED FOR ATTACHING THE FLANGE TO A MATING SURFACE.

Reply Instructions: Enter the quantity. For multiple replies, use AND ($$) coding. (e.g., AHTMA4;AHTMA2$$A3*)*

ALL* (See Note Preceding MRC AHSF)

AHTN J FLANGE CONNECTING HOLE DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A FLANGE CONNECTING HOLE, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. For multiple replies, use AND ($$) coding. (e.g., AHTNJAA0.125; AHTNJLA25.4*; AHTNJAB0.125$$JAC0.126*; AHTNJAB0.123$$JAC0.125*; AHTNJAB0.150$$JAC0.151*)*

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AHSF)

AQCB A FLANGE CONNECTING HOLE THREAD SIZE

Definition: DESIGNATES THE THREAD DIAMETER AND NUMBER OF THREADS PER INCH OF THE FLANGE CONNECTING HOLE.

Reply Instructions: Enter the thread size. For multiple replies, use AND coding ($$). (e.g., AQCBA6-32; AQCBA6-32$$A8-32*)*

ALL*

AQCC G CONNECTING FLANGE HOLE SPACING

Definition: THE NARRATIVE EXPRESSION USED FOR INDICATING THE SPACING OF THE FLANGE CONNECTING HOLES.

Reply Instructions: Enter the reply in clear text. (e.g., AQCCGSPACED ON 0.636 IN. BY 1.930 IN. MTG CTRS*)

Separate multiple replies with a semicolon, entering in the same sequence as MRC AHSF. (e.g., AQCCGSPACED ON 1.218 IN. BY 1.218 IN. CTRS; SPACED ON 0.956 IN. BY 0.944 IN. MTG CTRS*)

ALL*

ABRY J LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF ANY OBJECT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABRYJAA0.250*; ABRYJLA25.4*; ABRYJAB0.994$$JAC1.094*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABGL J WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABGLJAA0.250*; ABGLJLA25.4*; ABGLJAB1.600$$JAC1.640*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMZ J DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF A CIRCULAR FIGURE OR BODY, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.250*; ABMZJLA25.4*; ABMZJAB2.150$$JAC2.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AJJZ D DOCUMENT TYPE

Definition: INDICATES THE TYPE OF DOCUMENT BY THE TITLE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AJJZDAB*)

For multiple replies use AND coding ($$), entering in alpha Reply Code sequence. (e.g., AJJZDAC$$DAF)*

REPLY CODE	REPLY (AF70)
AE	FEDERAL SPECIFICATION
AC	MILITARY SPECIFICATION
AF	MILITARY STANDARD
AB	TECHNICAL MANUAL
AD	TRAINING MANUAL

ALL*

AJKA A DOCUMENT IDENTIFICATION

Definition: THE NUMBER OR SYMBOL USED TO IDENTIFY THE DOCUMENT.

Reply Instructions: Enter the document number.

(e.g., AJKAAMILF1234)*

For multiple replies use AND coding ($$), entering in the same sequence as MRC AJJZ. (e.g., AJKAAMILW85$$AM5900059-132)*

ALL*

AJKH G IDENTIFICATION DESIGNATOR

Definition: A DESIGNATION ASSIGNED TO THE ITEM FOR PURPOSE OF READY IDENTIFICATION.

Reply Instructions: Enter the reply in clear text.

(e.g., AJKHGTYPE UG-135/U*)

Separate multiple replies with a comma, entering in the same sequence as MRC AJJZ.

(e.g., AJKHGTYPE UG-149A/U, TYPE RG51/U*)

ALL*

AQCD B ANGULAR DISPLACEMENT BETWEEN FLANGE CONTACT SURFACES IN DEG

Definition: THE MEASUREMENT OF THE DIFFERENCE OF POSITION BETWEEN THE CONTACT SURFACES OF THE FLANGES, EXPRESSED IN DEGREES.

Reply Instructions: Enter the numeric value. (e.g., AQCDB45.0*)

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGPUBLIC ADDRESS SET*)

ALL*

AKWB G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWBGAN/TIP1A*)

JB

ACYW J IMPEDANCE RATING IN OHMS

Definition: THE TOTAL OPPOSITION (RESISTIVE AND REACTIVE) WHICH THE ITEM OFFERS TO THE FLOW OF ALTERNATING CURRENT, EXPRESSED IN OHMS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ACYWJA12.5*; ACYWJB50.0$$JC51.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., ACYWKN*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

JB*

AJBB J LARGE END PIN DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE LARGE END OF A PIN, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMZJAA0.250*; ABMZJLA25.4*; ABMZJAB2.150$$JAC2.250*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

JB*

AHTX B INSERTION LOSS IN DECIBELS

Definition: THE DIFFERENCE IN THE AMOUNT OF ENERGY AVAILABLE BEFORE AND AFTER THE INSERTION OF AN APPARATUS IN A TRANSMISSION SYSTEM, EXPRESSED IN DECIBELS.

Reply Instructions: Enter the numeric value. (e.g., AHTXB6.0*)

SECTION: K

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the index appearing in the General Information Section. (e.g., NAMED00190*)

ALL*			
	AFGQ	J	FREQUENCY RANGE RATING

Definition: THE RANGE OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable reply code from the table below, followed by the numeric values separated by a slash. Precede each value with a P . (e.g., AFGQJMP10.0/P20.0*)

For items that do not require a rating, change the Mode Code to K and enter Reply Code N. (e.g., AFGQKN*)

REPLY CODE	REPLY (AC32)
G	GIGA HERTZ
E	HERTZ
K	KILOHERTZ
M	MEGA HERTZ

ALL*			
	AQCE	D	ACCOMMODATED CONDUCTOR TYPE

Definition: INDICATES THE TYPE OF CONDUCTOR THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable reply code from the table below. (e.g., AQCEDAAB*; AQCEDAAB$DAAC*; AQCEDAAB$$DAAC*)

REPLY CODE	REPLY (AL01)
AAD	*COAXIAL*
AAE	*PARALLEL*

APP Key	MRC	Mode Code	Requirements

ALL

AQCF D CONNECTION METHOD

Definition: THE MEANS USED TO CONNECT THE ITEM.

Reply Instructions: Enter the applicable reply code from Appendix A, Table 8. (e.g., AQCFDABA*; AQCFDABF$DABG*; AQCFDAAX$$DABF*)

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable reply codes from Appendix A, Table 3. (e.g., MATLDALC000*; MATLDAL0000$DNF0000$$DMGA000*)

ALL*

AAJQ D INSIDE SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELETROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE INSIDE SURFACE.

Reply Instructions: Enter the applicable reply code from Appendix A, Table 4. (e.g., AAJQDAN0000*; AAJQDCD0000$DCDR000$DLQH000*)

ALL*

AAJP D OUTSIDE SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE OUTSIDE SURFACE.

Reply Instructions: Enter the applicable reply code from Appendix A, Table 4. (e.g., AAJPDAN0000*; AAJPDCD0000$DCDR000$$DLQH000*)

ALL*

APP Key	MRC	Mode Code	Requirements
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTEME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB7.900$$JAC8.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	ABKW	J	OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.600*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AQCG	J	THROAT LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE THROAT, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCGJAA10.115*; AQCGJLA25.4*; AQCGJAB10.115$$JAC10.125*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

APP Key	MRC	Mode Code	Requirements
	AQCH	J	THROAT WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE THROAT, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCHJAA3.000*; AQCHJLA25.4*; AQCHJAB3.000$$JAC3.100*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

	AQCJ	J	THROAT DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE THROAT, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCJJAA0.315*; AQCJJLA25.4*; AQCJJAB0.315$$JAC0.320*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

AQCK J THROAT HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE THROAT, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCKJAA3.000*; AQCKJLA25.4*; AQCKJAB3.000$$JAC3.100*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AQCL J THROAT DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE THROAT, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCLJAA2.150*; AQCLJLA25.4*; AQCLJAB2.150$$JAC2.200*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

AQCM J MOUTH LENGTH

Definition: A MEASUREMENT OF THE LONGEST DIMENSION OF THE MOUTH, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCMJAA0.250*; AQCMJLA25.4*; AQCMJAB0.250$$JAC0.270*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AQCP J MOUTH DIAMETER

Definition: THE LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE MOUTH, AND TERMINATES AT THE CIRCUMFERENCE.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCPJAA2.400*; AQCPJLA25.4*; AQCPJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

AQCN J MOUTH WIDTH

Definition: A MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF THE MOUTH, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCNJAA30.000*; AQCNJLA25.4*; AQCNJAB30.000$$JAC31.000*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AQCQ J MOUTH HEIGHT

Definition: A MEASUREMENT FROM THE BOTTOM TO THE TOP OF THE MOUTH, IN DISTINCTION FROM DEPTH.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCQJAA0.250*; AQCQJLA25.4*; AQCQJAB0.250$$JAC0.255*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL*

AQCR J MOUTH DEPTH

Definition: A MEASUREMENT BETWEEN SPECIFIED POINTS ON THE MOUTH, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable reply codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQCRJAA2.400*; AQCRJLA25.4*; AQCRJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL*	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

APP Key	MRC	Mode Code	Requirements
		C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)

ALL*

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A, Table 5, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL*			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL*

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the "&" character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

	NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the Reply Code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL*

ELCD D EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*; AFJKJC16.387*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAV3930-00-000-0000*;

AGAVGFORK LIFT TRUCK, SMITH CORP, MODEL 12, TYPE A*)

ALL			
	ALCD	G	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGRADAR SET GROUP*)

ALL			
	SECL	D	SECURITY CLASSIFICATION

APP Key	MRC	Mode Code	Requirements

Definition: A CATEGORY ASSIGNED TO CLASSIFIED INFORMATION OR MATERIAL TO SHOW THE DEGREE OF DAMAGE TO THE INTERESTS OF NATIONAL DEFENSE WHICH COULD RESULT FROM ITS UNAUTHORIZED DISCLOSURE AND TO SHOW THE STANDARD OF PROTECTION REQUIRED TO GUARD AGAINST UNAUTHORIZED DISCLOSURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SECLDC*)

REPLY CODE	REPLY (AE43)
C	CONFIDENTIAL
S	SECRET
T	TOP SECRET
U	UNCLASSIFIED

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

APP Key	MRC	Mode Code	Requirements
ALL			
	SUPP	G	SUPPLEMENTARY FEATURES
	Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.		
	Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)		
ALL			
	FCLS	A	FUNCTIONAL CLASSIFICATION
	Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.		
	Reply Instructions: Enter the reply from the applicable document.		
	(e.g., FCLSAHH-1.5*)		
ALL			
	FTLD	G	FUNCTIONAL DESCRIPTION
	Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.		
	Reply Instructions: Enter description of function as concisely as possible. (e.g, FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)		
ALL			
	TMDN	A	TYPE/MODEL DESIGNATION
	Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.		
	Reply Instructions: Enter the appropriate designation data.		
	(e.g., TMDNAMSV-615/M*)		
ALL			

APP Key	MRC	Mode Code	Requirements
	RTSE	G	RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKGEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

	RDAL	G	REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

	NTRD	A	ENTRY DATE

Definition: INDICATES THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated, 2-position segments to indicate the last 2 digits of the calendar year, month, and day.

(e.g., NTRDA80-05-28*)

ALL

	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION

Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and identifying number of the document.

APP Key	MRC	Mode Code	Requirements

(e.g., ZZZPJ81337-30624A80*)

ALL

ZZZV G FSC APPLICATION DATA

Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.

Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

ALL

HZRD D HAZARDOUS SUBSTANCES

Definition: THE SUBSTANCES AND/OR MATERIALS CONTAINED IN THE ITEM THAT HAVE BEEN IDENTIFIED AS HAZARDOUS OR ENVIRONMENTALLY DAMAGING BY THE ENVIRONMENTAL PROTECTION AGENCY OR OTHER AUTHORIZED GOVERNMENT AGENCY.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., HZRDDHAZ092*; HZRDDHAZ092$$DHAZ252*)

REPLY CODE	REPLY (HZ00)
HAZ008	CADMIUM
HAZ011	CHROMIUM
HAZ092	MAGNESIUM
HAZ252	NICKEL
HAZ303	SILVER
HAZ052	ZINC

ALL

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)

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Reply Tables

Table 1 - DETECTOR TYPES

DETECTOR TYPES

REPLY CODE	REPLY (AK80)
AN	BARRETTER
AP	BEAD THERMISTOR
AQ	BOLOMETER
AR	COAXIAL
AS	CONDUCTOR
AT	CRYSTAL
AF	DIODE
AC	ELECTRON TUBE
AW	GERMANIUM RECTIFIER
AX	INSTRUMENT FUSE
AY	INTERNAL RESISTANCE ELEMENT
AZ	LAMP
BA	LOOP
BB	METAL LOOP
BC	RESISTOR
BD	SILVER PLATED ELECTRODE
BE	THERMAL RESISTOR
BF	THERMISTOR
BG	THERMOCOUPLE
BH	TRAVELING
BJ	VARACTOR

Table 2 - TERMINAL TYPES

TERMINAL TYPES

REPLY CODE	REPLY (AA58)
JF	ALLIGATOR CLIP
BJ	BANANA PLUG
JS	BAYONET
AA	BINDING POST
JT	BUTTON
QC	COAXIAL
WR	COAXIAL CABLE
JW	COAXIAL CONNECTOR
BP	CONNECTOR, PLUG
BQ	CONNECTOR, RECEPTACLE
	Connector (use REPLY CODE BP)
JX	CONTACT FINGER
JY	CONTACT RING
AJ	FERRULE
CN	FLANGE
FD	JACK

REPLY CODE	REPLY (AA58)
TN	MALE COAXIAL CONNECTOR
AM	PIN
EU	PIN JACK
JZ	PROBE
BE	SCREW
BX	SOCKET
FW	SOLDER LUG
KA	SOLDER PIN
AQ	SOLDER STUD
JP	SOLDERLESS LUG
AS	STANDARD TUBE BASE
FX	STUD
KB	STUD W/INSULATION BOWLS
NZ	WAVEGUIDE FLANGE
CM	WIRE HOOK

Table 3 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
	Alodine (use REPLY CODE PHD000)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL2399	ALUMINUM ALLOY, ASTM B210, ALLOY 6061, T6
AL1383	ALUMINUM ALLOY, MIL-C-5541
AL0345	ALUMINUM ALLOY, QQ-A-250/5, ALLOY ALCLAD 2024,T3
AL0387	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T6
AL0646	ALUMINUM ALLOY, WW-T-700/6, TEMPER T6, TYPE 1
AL0629	ALUMINUM ALLOY, 6061, T6
ALA000	ALUMINUM BRONZE
ALF000	ALUMINUM, CAST
BC0000	BERYLLIUM COPPER
BR0000	BRASS
BR0104	BRASS, QQ-B-613, COMP 11, 1/2H
BR0155	BRASS, QQ-B-626, ALLOY 360, 1/2H
BR0423	BRASS, QQ-B-626, 1/2 HARD
BR0145	BRASS, QQ-B-639, ALLOY 464, 1/2H
BRN000	BRASS W/POLYIRON FILL
BN0000	BRONZE
BN0155	BRONZE, AMS 4625
CV0000	CALCIUM SILICATE
CJ0000	CERAMIC
CJH000	CERAMIC, STEATITE
CHE000	CHROME ALLOY
DFBB00	CLOTH, MOUTON
DFAAK0	CLOTH, NYLON

REPLY CODE	REPLY (AD09)
CU0000	COPPER
CK0000	COPPER ALLOY
CUAG00	COPPER BRAID
CU0078	COPPER, QQ-W-343, SOFT
CU0155	COPPER, QQ-W-343, TYPE S
CU0030	COPPER, WW-T-799
CCH000	COTTON DUCK
DFBBD0	COTTON, RUBBER COATED
FAAAP0	FABRIC, DACRON
FB0000	FIBER
FG0000	FIBERGLASS
FGAF00	FIBERGLASS, PLASTIC LAMINATE
FGAG00	FIBERGLASS, POLYESTER
GS0000	GLASS
GSAD00	GLASS CLOTH LAMINATE
GSG000	GLASS FABRIC
GSAE00	GLASS FABRIC, LAMINATED
GS0326	GLASS FABRIC, ST0130HB0008, ROCKWELL INTERNATIONAL CORP
GSAG00	GLASS FABRIC W/MOULDED PLASTIC RESIN FINISH
GSM000	GLASS FIBER
GSAH00	GLASS FIBER CLOTH W/METALLIC ELEMENTS
GSAF00	GLASS, PLASTIC, LAMINATED
FE0000	IRON
LBA000	LAVA, GROUND TALC AND SODIUM SILICATE (Alsimag)
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
ME0000	METAL
AY0000	MICA
NF0000	NICKEL (Alumel)
NC0000	NICKEL COPPER ALLOY (Monel)
NY0000	NYLON
DFBP00	NYLON, CHLOROPRENE RUBBER COATED
DFBS00	NYLON, RUBBER COATED
PF0000	PAPER
PHD000	PHOSPHATE DIP (Alodine)
PZ0000	PHOSPHOR BRONZE
PC0000	PLASTIC
PC2617	PLASTIC, GLASS FABRIC, F670-7, HEXCEL CORP
PC2613	PLASTIC, GLASS FABRIC, REINFORCED, BMS8-169, TYPE 120, THE BOEING CO
PC2614	PLASTIC, GLASS FABRIC, REINFORCED, D3-8789, THE BOEING CO
PCCCY0	PLASTIC, HONEYCOMBED
PC0189	PLASTIC, L-P-389, TYPE 2
PC2612	PLASTIC, LAMINATE, BMS8-177, TYPE 1, GRADE 1, THE BOEING CO
PC2611	PLASTIC, LAMINATE, BMS8-177, TYPE 1, THE BOEING CO
PCBR00	PLASTIC, LAMINATED
PCCCS0	PLASTIC, LOW-LOSS

REPLY CODE	REPLY (AD09)
PCY000	PLASTIC, METHYL-METHACRYLATE (Plexiglas)
PC0343	PLASTIC, MIL-P-19161
PC0108	PLASTIC, MIL-P-19468
PCAAL0	PLASTIC, PHENOL-FORMALDEHYDE
PCW000	PLASTIC, PHENOLIC
PCAX00	PLASTIC, PHENOLIC RESIN
PCAAE0	PLASTIC, POLYESTER RESIN
PCCCX0	PLASTIC, POLYESTER RESIN LAMINATE
PC2615	PLASTIC, POLYESTER, RESIN, MIL-R-7575, CLASS 1
PC2616	PLASTIC, POLYESTER, RESIN, MIL-R-7575, CLASS 2
PCCR00	PLASTIC, POLYETHYLENE
PCAG00	PLASTIC, POLYSTYRENE
PCAH00	PLASTIC, POLYTETRAFLUOROETHYLENE
PCAAH0	PLASTIC, POLYTETRAFLUOROETHYLENE RESIN
PC0575	PLASTIC, POLYVINYL CHLORIDE, L-P-535, COMP A, TYPE 2, GRADE NT
PCAAAL	PLASTIC, TETRAFLUOROETHYLENE (Teflon)
PW0000	PLYWOOD
PL0000	POLYAMIDE NYLON
FEN000	POLYIRON
QZD000	QUARTZ FIBER
RC0000	RUBBER
SU0000	SILICON BRONZE
SLB000	SILICONE GLASS
AG0000	SILVER
AG0027	SILVER, MIL-S-13282, GRADE A
ST0000	STEEL
STB000	STEEL, CORROSION RESISTING
STD000	STEEL, STAINLESS
WD0000	WOOD
WDM000	WOOD LAMINATE
WDN000	WOOD W/STEEL

Table 4 - SURFACE TREATMENTS

SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
AC0000	ACETATE COATED
AN0000	ANODIZED
ANA000	ANODIZED BLACK
ANH000	ANODIZED W/PAINT
BB0000	BLACK NICKEL
BA0000	BLACK OXIDE
BP0000	BRIGHT ALLOY PLATED
	Bright Dip (use REPLY CODE BP0000)
CD0000	CADMIUM
CDR000	CADMIUM PLATED

REPLY CODE	REPLY (AD09)
KC0000	CAUSTIC
CL0000	CHEMICAL
CLA000	CHEMICAL FILM
CNA000	CHROMATE DIPPED
CNB000	CHROMATE FILM
CN0000	CHROMATE (Iridite) (Cronak)
CN0021	CHROMATE, MIL-C-5541, CLASS 3
CH0000	CHROME
CHA000	CHROME-NICKEL PLATED
CHC000	CHROME PLATED
KDA000	CHROMIC ACID ANODIZE
CR0000	CHROMIUM
CRA000	CHROMIUM PLATED
CU0000	COPPER
CUT000	COPPER CLAD
CUZ000	COPPER FLASH
CU0476	COPPER, MIL-C-14550, CLASS 1
CUN000	COPPER PLATED
	Cronak (use REPLY CODE CN0000)
DC0000	DICHROMATE
EN0000	ENAMEL
ENE000	ENAMEL, BAKED
ENF000	ENAMEL, BLACK
ENA000	ENAMEL COATING OVER ZINC COATING
ENAX00	ENAMEL, FLAT
ENH000	ENAMEL, GRAY
ENJ000	ENAMEL, GREEN
ENT000	ENAMEL, LUSTERLESS
EN0087	ENAMEL, MIL-E-46061
ENW000	ENAMEL, OLIVE DRAB
ENM000	ENAMEL, SEMIGLOSS
ENX000	ENAMEL, SEMIGLOSS, BLACK
EN0015	ENAMEL, TT-E-529, CLASS B
ENY000	ENAMEL W/ANODIZED UNDERCOAT
ENAD00	ENAMEL W/CHROMATE
	Enamel W/Iridite (use REPLY CODE ENAD00)
ENZ000	ENAMEL W/LEAD UNDERCOAT
ENAA00	ENAMEL W/ZINC CHROMATE PRIMER UNDERCOAT
ENAB00	ENAMEL W/ZINC CHROMATE UNDERCOAT
	Enameled (use REPLY CODE EN0000)
ENAC00	ENAMELED W/SYNTHETIC REFINISHING PRIMER UNDERCOAT
	Enameled W/Zinc Undercoat (use REPLY CODE ENA000)
FN0000	FINISH, BRIGHT
GB0000	GALVANIZED
GBD000	GALVANIZED, HOT DIP
AU0000	GOLD
AUC000	GOLD FLASH
AUG000	GOLD PLATED

REPLY CODE	REPLY (AD09)
LQ0000	LACQUER
LQG000	LACQUER, BLUE
LQH000	LACQUER, CLEAR
LQJ000	LACQUER W/ZINC CHROMATE UNDERCOAT
NR0000	NATURAL
NF0000	NICKEL (Alumel)
NFG000	NICKEL PLATED
PNG000	PAINT
PNAAN0	PAINT, FLAT
PNH000	PAINT, OLIVE DRAB
PN0016	PAINT, P-711, MIL-F-14072
	Painted (use REPLY CODE PNG000)
PNJ000	PAINTED, W/PRIMER UNDERCOAT
PD0000	PALLADIUM
PS0000	PASSIVATED
PHH000	PHOSPHATE COATED
PHD000	PHOSPHATE DIP
PC0000	PLASTIC
FNE000	POLISHED
RH0000	RHODIUM
RHA000	RHODIUM PLATED
RCAAD0	RUBBER, CHLOROPRENE, ANTI-EROSION COATING
RCA000	RUBBER COATED
CHD000	SATIN CHROME
AG0000	SILVER
AGB000	SILVER FLASH
AGE000	SILVER PLATED
AG0075	SILVER PLATED, QQ-S-365, TYPE 2, GRADE A
AGF000	SILVER PLATED WITH RHODIUM FLASH
AG0002	SILVER, QQ-S-365
AG0007	SILVER, QQ-S-365, TYPE 2, GRADE A
SD0000	STEATITE
SNF000	TIN PLATED
SN0010	TIN PLATED, MIL-T-10727
SN0002	TIN PLATED, MIL-T-10727, TYPE 1
TDA000	TINNED
VAB000	VARNISH
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZNS000	ZINC COATED

Table 5 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX

REPLY CODE	REPLY (AD08)
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BB	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART

REPLY CODE	REPLY (AD08)
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 6 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AB89)
DJ	BASE

REPLY CODE	REPLY (AB89)
AFT	BASEPLATE
AFZ	BAYONET
NK	BEARING
AA	BOLT
AB	BRACKET
CZ	BUSHING
MB	CABINET
GH	CAPTIVE SCREWS
DK	CASE
JA	CHASSIS
AD	CLAMP
NL	CLAMP SLEEVE
AHE	CLAMP W/PIN
NN	COLLAR
NP	COUPLING
AHG	COUPLING SLEEVE
KJ	EARED
ABN	EYE BOLT
NF	FERRULE
AF	FLANGE
HP	FLANGE WITH HOLES
GQ	FLUSH
JG	FORCE FIT
AG	FRICTION
NS	GUY WIRE
GY	HOLES
NT	INSERT TUBING
NW	INSULATOR
FH	KEY
NX	LEG
NZ	LOCK BUTTON
NY	LOCK-PIN
PA	NUTS
PB	PEDESTAL
FJ	PIN
PC	PIN WITH SLOTS
AM	PLATE
PD	PLATE WITH GUY WIRES
AAY	PRESS FIT
FD	RIVET
AN	SCREW
PE	SCREW CLAMP
AGZ	SHOE
PF	SLEEVE
AHC	SLIP FIT
AGP	SLIP-ON
FB	SLOT
LQ	SOCKET

REPLY CODE	REPLY (AB89)
AQ	SOLDER
PG	SPLICE PLATE
DX	STAKE
PH	STAKE WITH GUY WIRES
DY	STAND
DZ	STRAP
PJ	SUPPORT LEGS
AU	THREAD
HB	THREADED PLUG
ACF	THREADED STUD
JL	TRACK
EC	TRIPOD
BU	UNTHREADED HOLES
AW	WELDED

Table 7 - SHAPES

SHAPES

REPLY CODE	REPLY (AD07)
BH	ANGULAR (corner)
CR	CIRCULAR
CN	CONICAL
AN	CYLINDRICAL
FC	DISC
AR	ELLIPTICAL
FS	FLAT SURFACE (plane)
FD	HELICAL
FE	HYPERBOLIC
BC	IRREGULAR
BCW	O-SHAPED
PA	PARABOLIC
RT	RECTANGULAR
RD	ROUND
FF	SEMICIRCULAR
FG	SEMIELLIPTICAL
FH	SEMISPHERICAL
DL	SPHERICAL
BGC	SPHEROID
FJ	SPIRAL
FM	TOROIDAL
FK	TRUNCATED SPHERE

Table 8 - CONNECTION METHODS

CONNECTION METHODS

REPLY CODE	REPLY (AJ68)

REPLY CODE	REPLY (AJ68)
AAS	ADAPTER
AAT	ADAPTER TO WAVEGUIDE
AAW	BOLT
AAX	CABLE CONNECTOR
AAY	CHOKE FLANGE
AAZ	CHOKE FLANGE TO COVER FLANGE
AGB	COAXIAL COUPLING
ABA	CONNECTOR ELECTRICAL
ABB	CONNECTOR PLUG
ABC	CONNECTOR RECEPTACLE
ABD	COUPLING FLANGE
ABE	COVER FLANGE
ABF	FLANGE
ABG	FLANGE ADAPTER
ABJ	FLANGE PLATE
ABH	FLANGE RF CONNECTOR
ABK	HOUSING
ABL	INSERT
ABM	INTEGRAL CHOKE FLANGE
ABN	INTEGRAL FLANGE
ABP	MACHINED FLANGE
ABQ	NUT-BOLT
ABR	SCREW
ABS	TAPPED FLANGE
ABY	TEE BOLT
ABZ	THREADED BOLT
ABT	THREADED END
ABW	WAVEGUIDE ADAPTER

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

AMERICAN OR BROWN AND SHARPE WIRE GAGE

AWG	Diameter Inches Nom	Area Circular Mills
0000	0.4600	211600.
000	0.4096	167800.
00	0.3648	133100.
0	0.3249	105500.
1	0.2893	83690.
2	0.2576	66370.
3	0.2294	52640.
4	0.2043	41740.
5	0.1819	33100.
6	0.1620	26250.
7	0.1443	20820.
8	0.1285	16510.
9	0.1144	13090.
10	0.1019	10380.
11	0.09074	8234.
12	0.08081	6530.
13	0.07196	5178.
14	0.06408	4107.
15	0.05707	3257.
16	0.05082	2583.
17	0.04526	2048.
18	0.04030	1624.
19	0.03589	1288.
20	0.03196	1022.
21	0.02846	810.1
22	0.02535	642.4
23	0.02257	509.5
24	0.02010	404.0
25	0.01790	320.4
26	0.01594	254.1
27	0.01420	201.5
28	0.01264	159.8
29	0.01126	126.7
30	0.01003	100.5
31	0.008928	79.7
32	0.007950	63.21
33	0.007080	50.13
34	0.006305	39.75
35	0.005615	31.52
36	0.005000	25.00

AWG	Diameter Inches Nom	Area Circular Mills
37	0.004453	19.83
38	0.003965	15.72
39	0.003531	12.47
40	0.003145	9.888
41	0.00280	7.8400
42	0.00249	6.2001
43	0.00222	4.9284
44	0.00197	3.8809
45	0.00176	3.0976
46	0.00157	2.4649

Unless otherwise stated in FIIG requirements, stranded conductors with circular mil areas below mid-points of AWG sizes are to be considered as having the smaller AWG sizes. Stranded conductors with circular mil areas at mid-points and above are to be considered as having the larger AWG sizes.

A stranded conductor with a circular mil area of 1836 would fall midway between 17 AWG and 18 AWG. For purposes of FIIG requirements, the conductor shall be described as being No. 17 AWG size.

For solid conductors or conductor strands of 0.010 inches in diameter or larger, the size will be expressed in the nearest AWG size if within one thousandth of an inch of being an exact AWG size. For solid wire smaller than 0.010 inches in diameter, the size should be expressed in the nearest AWG size if within one ten-thousandth (0.0001) of an inch of being an exact AWG size.

For purposes of FIIG requirements, a solid conductor or strand of wire 0.01596 inches in diameter shall be described as being No. 26 AWG size.

INCH TO DECIMAL OF A FOOT CONVERSION CHART

NOTE: For inches, select inches 0 through 11 from left to right top of chart, read decimal equivalent in column directly below.

Fraction of inch	INCHES											
	0	1	2	3	4	5	6	7	8	9	10	11

0	0.000	0.083	0.167	0.250	0.333	0.417	0.500	0.583	0.667	0.750	0.833	0.917
1/16	.005	.089	.172	.255	.339	.422	.505	.589	.672	.755	.839	.922
1/8	.010	.094	.177	.260	.344	.427	.510	.594	.677	.760	.844	.927
3/16	.016	.099	.182	.266	.349	.432	.516	.599	.682	.766	.849	.932
1/4	.021	.104	.188	.271	.354	.438	.521	.604	.688	.771	.854	.938
5/16	.026	.109	.193	.276	.359	.443	.526	.609	.693	.776	.859	.943
3/8	.031	.115	.198	.281	.365	.448	.531	.615	.698	.781	.865	.948
7/16	.037	.120	.203	.287	.370	.453	.537	.620	.703	.787	.870	.953
1/2	.042	.125	.208	.292	.375	.458	.542	.625	.708	.792	.875	.958
9/16	.047	.130	.214	.297	.380	.464	.547	.630	.714	.797	.880	.964
5/8	.052	.135	.219	.302	.385	.469	.552	.635	.719	.802	.885	.969
11/16	.057	.141	.224	.307	.391	.474	.557	.641	.724	.807	.891	.974
3/4	.063	.146	.229	.313	.396	.479	.563	.646	.729	.813	.896	.979
13/16	.068	.151	.234	.318	.401	.484	.568	.651	.734	.818	.901	.984
7/8	.073	.156	.240	.323	.406	.490	.573	.656	.740	.823	.906	.990
15/16	.078	.162	.245	.328	.412	.495	.578	.662	.745	.828	.912	.995

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

FIIG Change List

FIIG Change List, Effective August 6, 2010

This change replaced with ISAC or and/or coding.